



TITLE:

Workshop by VEMCO

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CITATION:

Webber, DM ...[et al]. Workshop by VEMCO. 20th Symposium of the International Society on Biotelemetry Proceedings 2014: 121-121

ISSUE DATE:

2014-05

URL:

<http://hdl.handle.net/2433/187821>

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Acoustic telemetry is a well-established tool that has been used around the world for greater than 3 decades for tracking and understanding the movements and behaviors of almost all species of aquatic animals. Since the advent of coded acoustic telemetry (VEMCO circa 1997), a vast array of fixed coded acoustic telemetry receivers has been deployed worldwide. Initially, these receiver arrays were deployed to fill the needs of focused, regional, and often single species studies. However, in recent years the growth of the use of these receiver arrays has been explosive and to date, we estimate there are over 20,000 VEMCO based receivers deployed globally. Along with this has come a growing level of collaboration amongst research groups to enable much broader eco-system based studies and provide valuable insight for fisheries management.

This workshop will explore the evolution of the use of acoustic telemetry and how this new global system can be combined with more traditional oceanographic data sets to provide the information needed for the current and future needs of fisheries management. We will introduce and explain the new equipment of VEMCO in the workshop, specifically the new tags, VR4-UWM (with underwater modem), VR2C Cabled Receiver, VR4-Global (with Iridium satellite link), VR2Tx (built in transmitter function), Next Generation VR100 and VEMCO Positioning system (VPS). We will also have a demonstration of VR2C Cabled Receiver.